

C L A I M S

*Sub A3* → 1. A lightweight, compactly foldable, protective winter turf cover comprising:

(a) at least one layered polyethylene sheet being substantially water impermeable;

(b) the layered polyethylene sheet having at least a first layer and a second layer;

(c) the first layer and the second layer each having a directional orientation determined by force striations;

(d) the directional orientation of the first layer being at an angle relative to the directional orientation of the second layer; and

(e) the turf cover being durable.

2. The lightweight, compactly foldable, protective winter turf cover of Claim 1 further comprising:

(a) the first layer having a first edge;

(b) the second layer having a second edge;

(c) the force striations being at an acute angle to the first edge;

(d) the force striations being at an acute angle to the second edge; and

(e) the acute angle of the first edge being at a relative angle to the acute angle of the second edge.

3. The lightweight, compactly foldable, protective winter turf cover of Claim 2 further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 20 to about 70 degrees; and

(b) the relative angle between the first layer and second layer being about sixty degrees to about 120 degrees.

4. The lightweight, compactly foldable, protective winter turf cover of Claim 3 further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 30 to about 60 degrees; and

(b) the relative angle between the first layer and second layer being about seventy degrees to about 110 degrees.

5. The lightweight, compactly foldable, protective winter turf cover of Claim 4 further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 40 to about 50 degrees; and

(b) the relative angle between the first layer and second layer being about eighty degrees to about 100 degrees.

6. The lightweight, compactly foldable, protective winter turf cover of Claim 2 further comprising:

(a) the at least one layered polyethylene sheet being at least a first layered polyethylene sheet and at least a second layered polyethylene sheet; and

(b) the first layered polyethylene sheet and the second layered polyethylene sheet being secured with an adhesive in an edge to edge to form at least a part of the winter turf cover.

7. The lightweight, compactly foldable, protective winter turf cover of Claim 6 further comprising:

(a) the adhesive forming a water tight barrier; and

(b) a foam layer being added to the winter turf cover.

8. The lightweight, compactly foldable, protective winter turf cover of Claim 7 further comprising the first layered polyethylene sheet being between the foam layer and the second layered polyethylene sheet.

9. The lightweight, compactly foldable, protective winter turf cover of Claim 7 further comprising the foam layer being between the first layered polyethylene sheet and the second layered polyethylene sheet.

from  
1st PE  
2nd PE

1st PE  
2nd PE

10. The lightweight, compactly foldable, protective winter turf cover of Claim 6 further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 40 to about 50 degrees;

(b) the relative angle between the first layer and second layer being about eighty degrees to about 100 degrees;

(c) the at least one layered polyethylene sheet being a sufficient of layered polyethylene sheets to form the protective winter turf cover into a size sufficient to cover a golf green; and

(d) a securing device being adapted to receive a holding means to releasably secure the protective winter turf cover to the golf green.

11. The lightweight, compactly foldable, protective winter turf cover of Claim 10 further comprising:

(a) at least one tape being applied to the edge;

(b) the at least one tape being adapted to receive a holding means in order to secure the winter turf cover to the golf green; and

(c) the at least one tape minimizing damage to the layered polyethylene sheet in order to permit reuse of the winter turf cover on the golf green.

12. In a method of preventing crown hydration of a golf green, the improvement comprising:

(a) providing a polyethylene tube;

(b) stretching the polyethylene tube in order to form a stretched tube;

(c) cutting the stretched tube in a spiral fashion to form a first sheet with force striations at an acute angle to an edge of the sheet;

(d) forming a second sheet in a similar manner as the first sheet, the second also having force striations at an acute angle;

(e) securing a surface of the first sheet to a surface of the second sheet with the force striations of the first sheet at a relative angle to the force striations of the second sheet to form a layered sheet;

(f) providing a plurality of the layered sheet, the plurality of the layered including at least a first layered sheet and at least a second layered sheet;

(g) securing an edge of the at least a first layered sheet to an edge of the at least a second layered sheet a sufficient number times to form a golf green cover;

(h) reinforcing at least one part of the golf green cover to a reinforced section in order to permit receiving a releasable holding means; and

(i) applying the holding means through the reinforced section.

13. The method of Claim 12 with the improvement further comprising:

(a) at least one layered polyethylene sheet being substantially water impermeable;

(b) the layered polyethylene sheet having at least a first layer and a second layer;

(c) the first layer and the second layer each having a directional orientation determined by force striations;

(d) the directional orientation of the first layer being at an angle relative to the directional orientation of the second layer

(e) the turf cover being durable;

(f) the first layer having a first edge;

(g) the second layer having a second edge;

(h) the force striations being at an acute angle to the first edge;

(i) the force striations being at an acute angle to the second edge; and

(j) the acute angle of the first edge being at a relative angle to the acute angle of the second edge.

14. The method of Claim 13 with the improvement further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 20 to about 70 degrees; and

(b) the relative angle between the first layer and second layer being about sixty degrees to about 120 degrees.

15. The method of Claim 14 with the improvement further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 30 to about 60 degrees; and

(b) the relative angle between the first layer and second layer being about seventy degrees to about 110 degrees.

16. The method of Claim 15 with the improvement further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 40 to about 50 degrees; and

(b) the relative angle between the first layer and second layer being about eighty degrees to about 100 degrees.

17. The method of Claim 16 with the improvement further comprising:

(a) the at least one layered polyethylene sheet being at least a first layered polyethylene sheet and at least a second layered polyethylene sheet;

(b) the first layered polyethylene sheet and the second layered polyethylene sheet being secured with an adhesive in an edge to edge to form at least a part of the winter turf cover;

(c) the adhesive forming a water tight barrier;

(d) the acute angle to the first edge and the acute angle to the second edge being 40 to about 50 degrees; and

(e) the relative angle between the first layer and second layer being about eighty degrees to about 100 degrees.



18. A lightweight, compactly foldable, protective winter turf cover comprising:

(a) at least one layered polymer capable of being formed into a light weight, flexible sheet being substantially water impermeable;

(b) the layered polymer sheet having at least a first layer and a second layer;

(c) the first layer and the second layer each having a directional orientation determined by force striations;

(d) the directional orientation of the first layer being at an angle relative to the directional orientation of the second layer;

(e) the first layer having a first edge;

(f) the second layer having a second edge;

(g) the force striations being at an acute angle to the first edge;

(h) the force striations being at an acute angle to the second edge; and

(i) the acute angle of the first edge being at a relative angle to the acute angle of the second edge.

19, The lightweight, compactly foldable, protective winter turf cover of Claim 18 further comprising:

(a) the acute angle to the first edge and the acute angle to the second edge being 40 to about 50 degrees; and

(b) the relative angle between the first layer and second layer being about eighty degrees to about 100 degrees.

20. The lightweight, compactly foldable, protective winter turf cover of Claim 19 further comprising:

(a) the at least one layered polyethylene sheet being at least a first layered polyethylene sheet and at least a second layered polyethylene sheet;

(b) the first layered polyethylene sheet and the second layered polyethylene sheet being secured with an adhesive in an edge to edge to form at least a part of the winter turf cover;

(c) the adhesive forming a water tight barrier;

(d) a foam layer being added to the winter turf cover;

(e) the acute angle to the first edge and the acute angle to the second edge being 40 to about 50 degrees;

(f) the relative angle between the first layer and second layer being about 80 degrees to about 100 degrees; and

(g) the at least one layered polyethylene sheet being a sufficient of layered polyethylene sheets to form the protective winter turf cover into a size sufficient to cover a golf green.